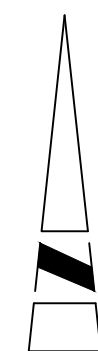


The map shows the project location in Torrance, CA, near the intersection of the Harbor Freeway (I-110) and the Harbor Freeway Extension (I-105). The project site is highlighted with a dashed black line and a black dot. The map includes a legend for 'PROJECT LOCATION' and 'PLANT SITE'. The 'PLANT SITE' is located at 17825 YUKON AVE, TORRANCE, CA. The map shows various streets including THORN BURG AVE, CORDARY AVE, 170th ST, 171st ST, 172nd ST, 173rd ST, 174th ST, 175th ST, 176th ST, 177th ST, 178th ST, 179th ST, 180th ST, 181st ST, 182nd ST, 183rd ST, 184th ST, 185th ST, 186th ST, 187th ST, 188th ST, 189th ST, 190th ST, 191st ST, 192nd ST, 193rd ST, 194th ST, 195th ST, 196th ST, 197th ST, 198th ST, 199th ST, 200th ST, 201st ST, 202nd ST, 203rd ST, 204th ST, 205th ST, 206th ST, 207th ST, 208th ST, 209th ST, 210th ST, 211th ST, 212th ST, 213th ST, 214th ST, 215th ST, 216th ST, 217th ST, 218th ST, 219th ST, 220th ST, 221st ST, 222nd ST, 223rd ST, 224th ST, 225th ST, 226th ST, 227th ST, 228th ST, 229th ST, 230th ST, 231st ST, 232nd ST, 233rd ST, 234th ST, 235th ST, 236th ST, 237th ST, 238th ST, 239th ST, 240th ST, 241st ST, 242nd ST, 243rd ST, 244th ST, 245th ST, 246th ST, 247th ST, 248th ST, 249th ST, 250th ST, 251st ST, 252nd ST, 253rd ST, 254th ST, 255th ST, 256th ST, 257th ST, 258th ST, 259th ST, 260th ST, 261st ST, 262nd ST, 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<u>COMPANY</u>	<u>PHONE NO.</u>	<u>CONTACT</u>
CALIFORNIA WATER COMPANY	(310) 257-1460	DON ALVARADO
PACIFIC PIPELINE SYSTEM	(562) 728-2351	FRANK CARDEN
SBC/ PACBELL	(310) 515-3470	MARCELLA CORDOZA
TIME WARNER COMMUNICATIONS	(310) 216-3662	MIKE GHIANULY
SOUTHERN CALIFORNIA GAS CO.	(310) 687-2011	PAUL BLOOD
SOUTHERN CALIFORNIA EDISON	(310) 783-9336	MICHAEL GLEN
AT&T LOCAL SERVICES	(714) 845-3522	MARIA GUZMAN
VERIZON (SANTA MONICA)	(310) 793-4159	DAN HAYES
CONOCO PHILLIPS	(310) 466-8187	LEO MARTINEZ
CHEVRON	(714) 228-1530	MIKE ROBERTS
EXXON MOBIL PIPELINE	(310) 212-1761	RUTH CRONIN-FRUITT
MCI NETWORK SERVICES, INC.	(972) 729-6016	JOHN BACHELDER
WEST BASIN MUNICIPAL WATER	(310) 660-6296	SHERWIN UMALI
CALIFORNIA WATER SERVICE CO.	(310) 679-2575	GEORGE COOK
SHELL PIPELINE CO., LP	(310) 816-2053	DAVE FELGER
TORRANCE MUNICIPAL WATER	(310) 781-6700	ALAN BERNDT



NO SCALE

THE BEARINGS SHOWN HEREON ARE BASED ON THE
CENTERLINE OF YUKON AVENUE, BETWEEN FOUND
MONUMENTS AT 177TH STREET AND 175TH STREET,
BEING N0°09'11"E.

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA
COORDINATE SYSTEM (CCS83), ZONE V, 1983 NAD, 2007.0
EPOCH GPS ADJUSTMENT.

LOS ANGELES COUNTY BENCHMARK Y 6942
ELEV. 57,500 NAVD88
TORRANCE QUAD 1995
FOUND LEAD AND BENCH NAIL IN THE WEST CURB OF
CRENSHAW BLVD., 2.0 FEET NORTH OF THE BEGIN CURB
RETURN AT THE SOUTHWEST CORNER OF CRENSHAW BLVD.
AND ARTESIA BLVD., 65 FEET SOUTH OF THE CENTERLINE OF
ARTESIA BLVD. AND 38 FEET WEST OF THE CENTERLINE OF
CRENSHAW BLVD.

1-800-227-2600
AT LEAST TWO DAYS
BEFORE YOU DIG

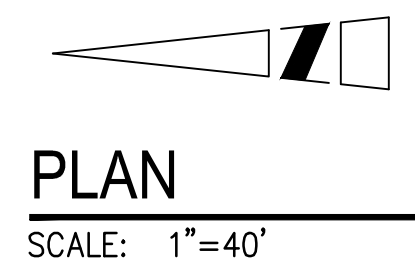
THE CONFIGURATIONS, DIMENSIONS AND SIZES ON THESE PLANS FOR THE PROPOSED IMPROVEMENTS ARE INTENDED TO REPRESENT THE INTENT OF THE PROJECT. DIMENSIONS, CONFIGURATIONS AND SIZES SHOWN ARE BASED ON CONCEPT-LEVEL ENGINEERING. THE DB TEAM IS TO VERIFY AND SUBSEQUENTLY DESIGN THE PROJECT COMPONENTS FOR THE DESIGN DEVELOPMENT AND CONSTRUCTION PHASES. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE ULTIMATE PERFORMANCE OF THE PROJECT AS SPECIFIED IN THE CONTRACT DOCUMENTS.

G-001

						CITY OF TORRANCE PUBLIC WORKS DEPARTMENT
REV.	DATE	DESCRIPTION	BY	CHECKED		DRAWN:
						DESIGNED:
						PROJECT ENGINEER:
						DIVISION ENGINEER:
						SCALE: AS SHOWN SHEET XX OF XX
						PLAN NO. WP-

① 16" WATER

NOTE:
STATIONING IS APPROXIMATE, WILL VARY DEPENDING ON
FINAL ALIGNMENT.



1-800-227-2600
AT LEAST TWO DAYS
BEFORE YOU DIG

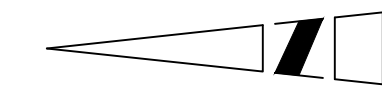
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REV.	DATE	DESCRIPTION	BY	CHECKED	CITY OF TORRANCE PUBLIC WORKS DEPARTMENT			
						APPROVED:		
					DRAWN:			
					DESIGNED:			
					PROJECT ENGINEER: _____			
						SCALE: AS SHOWN	SHEET <u>XX</u>	OF <u>XX</u>
					DIVISION ENGINEER: _____	PLAN NO. WP-		

DWG: X:\ENG\CP No. I-108\VC-201.dwg USER: vprasad
DATE: Feb 13, 2014 10:44am XREFS: C-BD GRID
C-RP C-HA C-UP A.Randall CA E IMAGES: D:\C30111.Hff D:\C30211.Hff

- ① 16" WATER
- ② 20" WATER
- ③ OPERATORS OF EQUIPMENT WHICH COME IN CONTACT WITH OVERHEAD HIGH VOLTAGE POWER LINES SHALL BE AWARE OF THE PROXIMITY OF THE EQUIPMENT TO OVERHEAD LINES. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS AND CLEARANCES OF TITLE 8 – INDUSTRIAL RELATIONS, DIVISION 1, CHAPTER 4 – DIVISION OF INDUSTRIAL SAFETY, SUBCHAPTER 5 – ELECTRICAL SAFETY ORDERS, GROUP 2 – HIGH VOLTAGE ELECTRICAL SAFETY ORDERS, ARTICLE 37, SECTION 2946, PROVISIONS FOR PREVENTING ACCIDENTS DUE TO PROXIMITY TO OVERHEAD LINES. IF THESE CLEARANCES CANNOT BE MAINTAINED, THE CONTRACTOR SHALL CONTACT SCE TO MAKE ARRANGEMENTS, INCLUDING THE PAYMENT OF FEES, TO REARRANGE AND/OR DE-ENERGIZE THE CIRCUIT. FEES FOR THIS SERVICE SHALL BE BORNE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY.
- ④ BUTTERFLY VALVE

NOTE:
STATIONING IS APPROXIMATE, WILL VARY DEPENDING ON
FINAL ALIGNMENT.



SCALE: 1"=40'

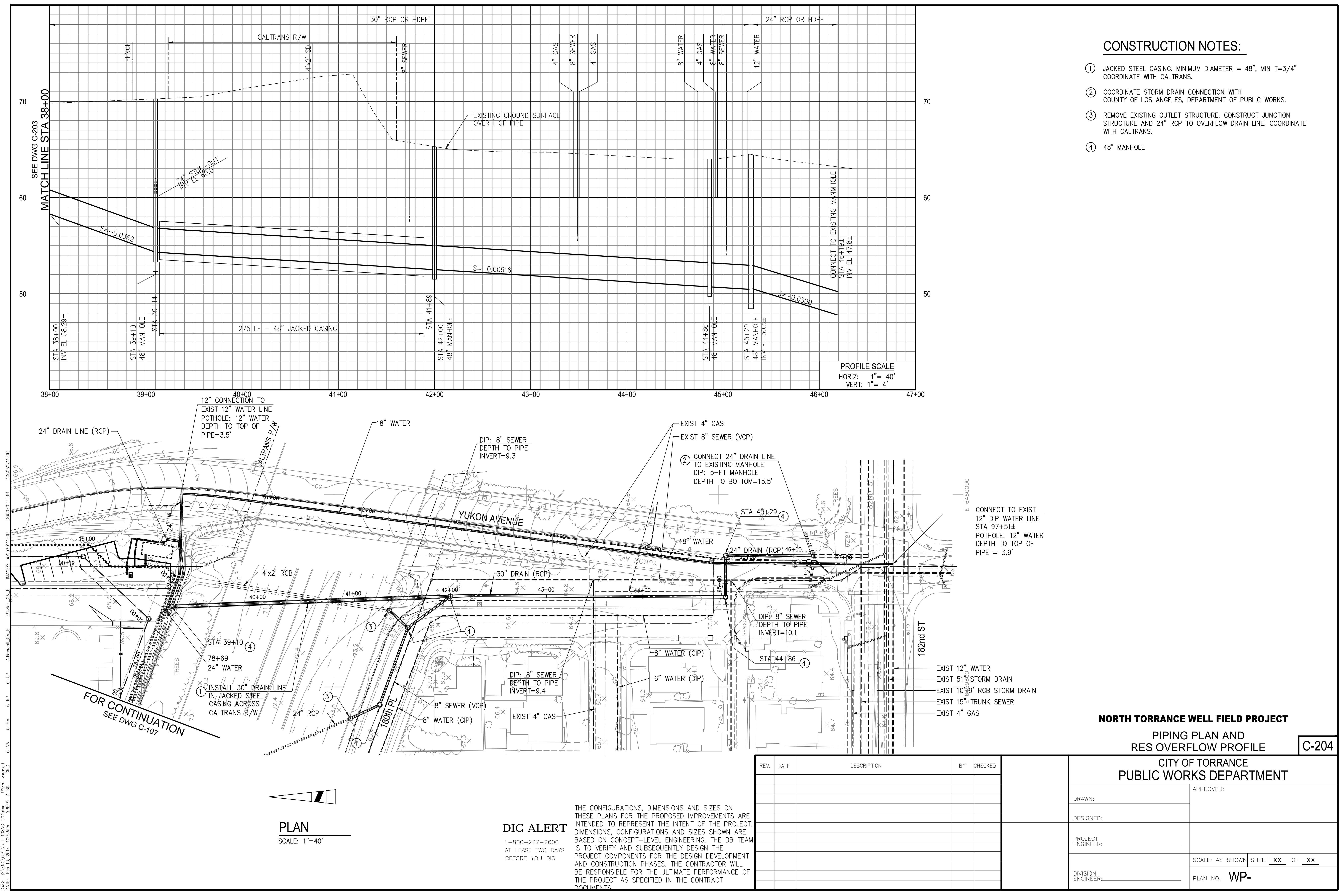
1-800-227-2600
AT LEAST TWO DAYS
BEFORE YOU DIG

THE CONFIGURATIONS, DIMENSIONS AND SIZES ON THESE PLANS FOR THE PROPOSED IMPROVEMENTS ARE INTENDED TO REPRESENT THE INTENT OF THE PROJECT. DIMENSIONS, CONFIGURATIONS AND SIZES SHOWN ARE BASED ON CONCEPT-LEVEL ENGINEERING. THE DB TEAM IS TO VERIFY AND SUBSEQUENTLY DESIGN THE PROJECT COMPONENTS FOR THE DESIGN DEVELOPMENT AND CONSTRUCTION PHASES. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE ULTIMATE PERFORMANCE OF THE PROJECT AS SPECIFIED IN THE CONTRACT DOCUMENTS.

C-202

REV.	DATE	DESCRIPTION	BY	CHECKED	CITY OF TORRANCE PUBLIC WORKS DEPARTMENT			
						APPROVED:		
					DRAWN:			
					DESIGNED:			
					PROJECT ENGINEER:_____			
					DIVISION ENGINEER:_____	SCALE: AS SHOWN	SHEET <u>XX</u>	OF <u>XX</u>
						PLAN NO.	WP-	

DWC:	x: \ENG\CIP No. I-108\C-202.dwg	USER:	vprasad
DATE:	Feb 13 2014 10:42am	XFREFS:	C-BD
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			C-BP
			C-HA
			C-IIP
			A.Bondall CA F
			F.Sockin CA F
			IMAGES: D0C030111.tif
			D0C030211.tif



CONSTRUCTION NOTES:

- ① JACKED STEEL CASING. MINIMUM DIAMETER = 48", MIN T=3/4" COORDINATE WITH CALTRANS.
- ② COORDINATE STORM DRAIN CONNECTION WITH COUNTY OF LOS ANGELES, DEPARTMENT OF PUBLIC WORKS.
- ③ REMOVE EXISTING OUTLET STRUCTURE. CONSTRUCT JUNCTION STRUCTURE AND 24" RCP TO OVERFLOW DRAIN LINE. COORDINATE WITH CALTRANS.
- ④ 48" MANHOLE

NORTH TORRANCE WELL FIELD PROJECT

PIPING PLAN AND
RES OVERFLOW PROFILE

C-204

CITY OF TORRANCE
PUBLIC WORKS DEPARTMENT

DRAWN:		APPROVED:	
DESIGNED:			
PROJECT ENGINEER:			
DIVISION ENGINEER:		SCALE: AS SHOWN SHEET <u>XX</u> OF <u>XX</u>	
		PLAN NO. WP-	

REV.	DATE	DESCRIPTION	BY	CHECKED

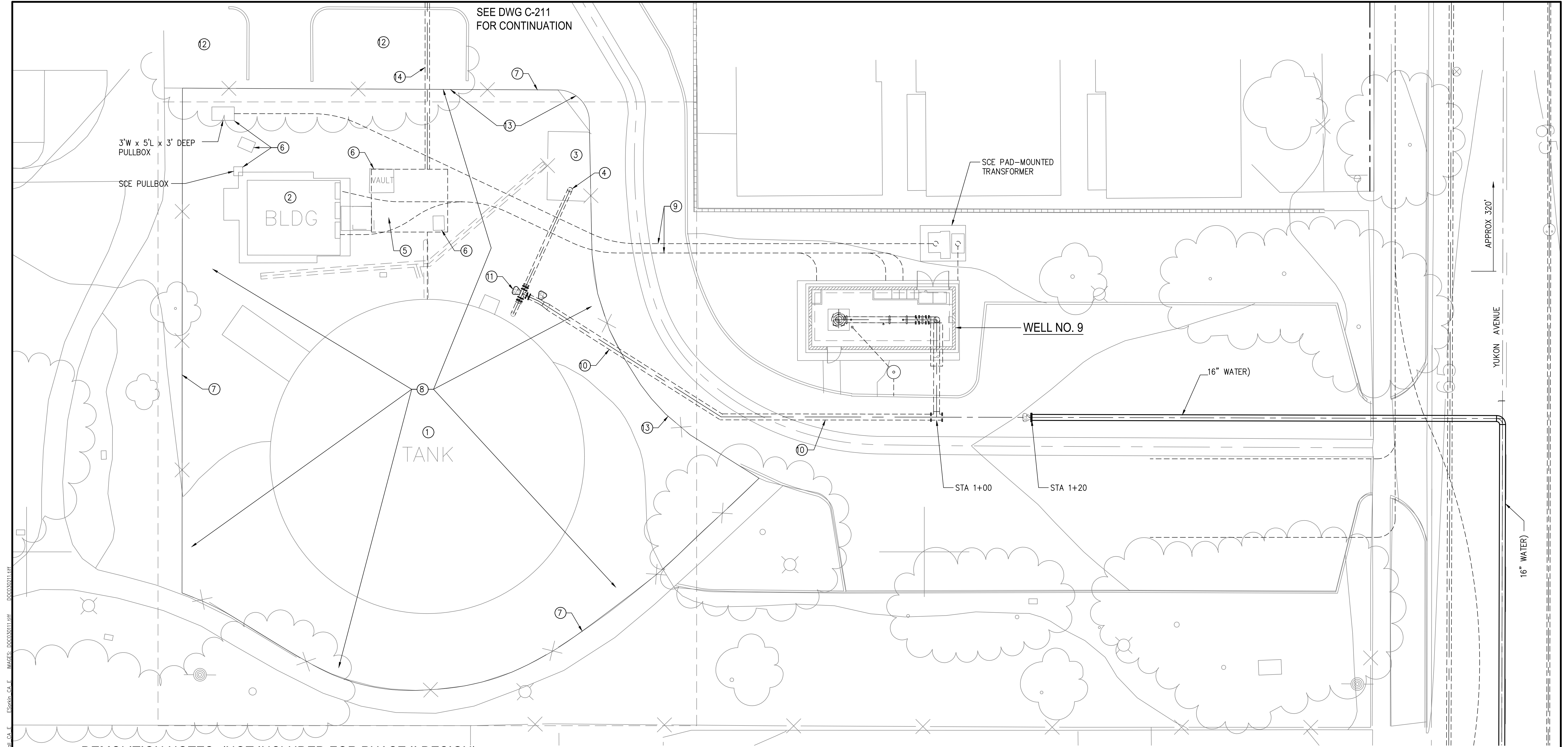
DIG ALERT

1-800-227-2600
AT LEAST TWO DAYS
BEFORE YOU DIG

THE CONFIGURATIONS, DIMENSIONS AND SIZES ON THESE PLANS FOR THE PROPOSED IMPROVEMENTS ARE INTENDED TO REPRESENT THE INTENT OF THE PROJECT. DIMENSIONS, CONFIGURATIONS AND SIZES SHOWN ARE BASED ON CONCEPT-LEVEL ENGINEERING. THE DB TEAM IS TO VERIFY AND SUBSEQUENTLY DESIGN THE PROJECT COMPONENTS FOR THE DESIGN DEVELOPMENT AND CONSTRUCTION PHASES. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE ULTIMATE PERFORMANCE OF THE PROJECT AS SPECIFIED IN THE CONTRACT DOCUMENTS.

PLAN

SCALE: 1"=40'



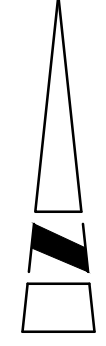
DEMOLITION NOTES: (NOT INCLUDED FOR PHASE II DESIGN)

- | | |
|---|---|
| 1. REMOVE AND DISPOSE OF 1-MG STEEL TANK, INCLUDING PIPING AND CONCRETE RING WALL AND THREE FEET OF SOIL UNDER TANK. EXTERIOR PAINT CONTAINS HIGH LEVELS OF LEAD AND/OR ZINC. CONFORM TO REQUIREMENTS OF EPA, OSHA AND CALIFORNIA REGULATIONS FOR HAZARDOUS PAINT REMOVAL, STORAGE, TRANSPORTATION, AND DISPOSAL. | 11. REMOVE 3-12" BUTTERFLY VALVES AND DELIVER TO CITY |
| 2. REMOVE AND DISPOSE OF CHLORINE/ELECTRICAL BLDG | 12. REMOVE TREES AND PLANTERS. EXTEND PARKING LOT |
| 3. DESTROY WELL NO. 6 PER LA COUNTY/STATE REQUIREMENTS | 13. INSTALL CURB |
| 4. REMOVE AND DISPOSE OF PIPING AND VALVES | 14. ABANDON PIPELINE PER NOTE 2 ON DWG C-211. |
| 5. REMOVE AND DISPOSE OF PUMP STATION (3 PUMPS), VAULT AND PIPING | |
| 6. REMOVE AND DISPOSE OF VAULT, ELECTRICAL BOXES AND PIPING | |
| 7. REMOVE CHAIN LINK FENCING (INCLUDING POSTS AND CONCRETE) | |
| 8. REMOVE PAVING AND BASE. GRADE SITE TO DRAIN. INSTALL SOD AND EXTEND IRRIGATION SYSTEM. COORDINATE WORK WITH CITY PARKS DEPARTMENT | |
| 9. REMOVE WIRING FROM CONDUITS | |
| 10. REMOVE FOUR 20-FOOT LONG FLANGED 16" CMLC STEEL PIPES AND REINSTALL PAST STA 1+00. INSTALL BLIND FLANGE AND THRUST BLOCK AT TEE | |

DIG ALERT

1-800-227-2600
AT LEAST TWO DAYS
BEFORE YOU DIG

THE CONFIGURATIONS, DIMENSIONS AND SIZES ON THESE PLANS FOR THE PROPOSED IMPROVEMENTS ARE INTENDED TO REPRESENT THE INTENT OF THE PROJECT. DIMENSIONS, CONFIGURATIONS AND SIZES SHOWN ARE BASED ON CONCEPT-LEVEL ENGINEERING. THE DB TEAM IS TO VERIFY AND SUBSEQUENTLY DESIGN THE PROJECT COMPONENTS FOR THE DESIGN DEVELOPMENT AND CONSTRUCTION PHASES. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE ULTIMATE PERFORMANCE OF THE PROJECT AS SPECIFIED IN THE CONTRACT DOCUMENTS.



SITE PLAN

SCALE: 1"=10'

NORTH TORRANCE WELL FIELD PROJECT

Mc MASTER PARK
SITE PLAN

C-106

**CITY OF TORRANCE
PUBLIC WORKS DEPARTMENT**

REV.	DATE	DESCRIPTION	BY	CHECKED

DRAWN:	APPROVED:
DESIGNED:	
PROJECT ENGINEER:	
DIVISION ENGINEER:	
SCALE: AS SHOWN SHEET <u>XX</u> OF <u>XX</u>	
PLAN NO. WP-	